Lot 67 Chesapeake Pointe Fast Track Septic System Information

Number of Bedrooms	**4**
~~Basement or~~ Crawl	[redacted]
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	3 (See Table)
Total Linear Feet	402
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	635' of 2" SCH 40 PVC
Flow Rate through the system	16.5 gpm
Elevation head	Approx. 39'
Pressure head	2.0'
Friction head	2.9'
20% Contingency	8.8'
Total Head	52.7'
Pump Requirements	16.5 gpm @ 52.7' of head To be designed by installer
Maximum Dosing Volume	240 gal -2.0 doses/day @ design flow
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 14.5 min.
Check Valve	Yes
Siphon Break hole	Yes
Repair System	**25% Reduction**
Total Linear Feet	441
Repair Loading Rate	0.3

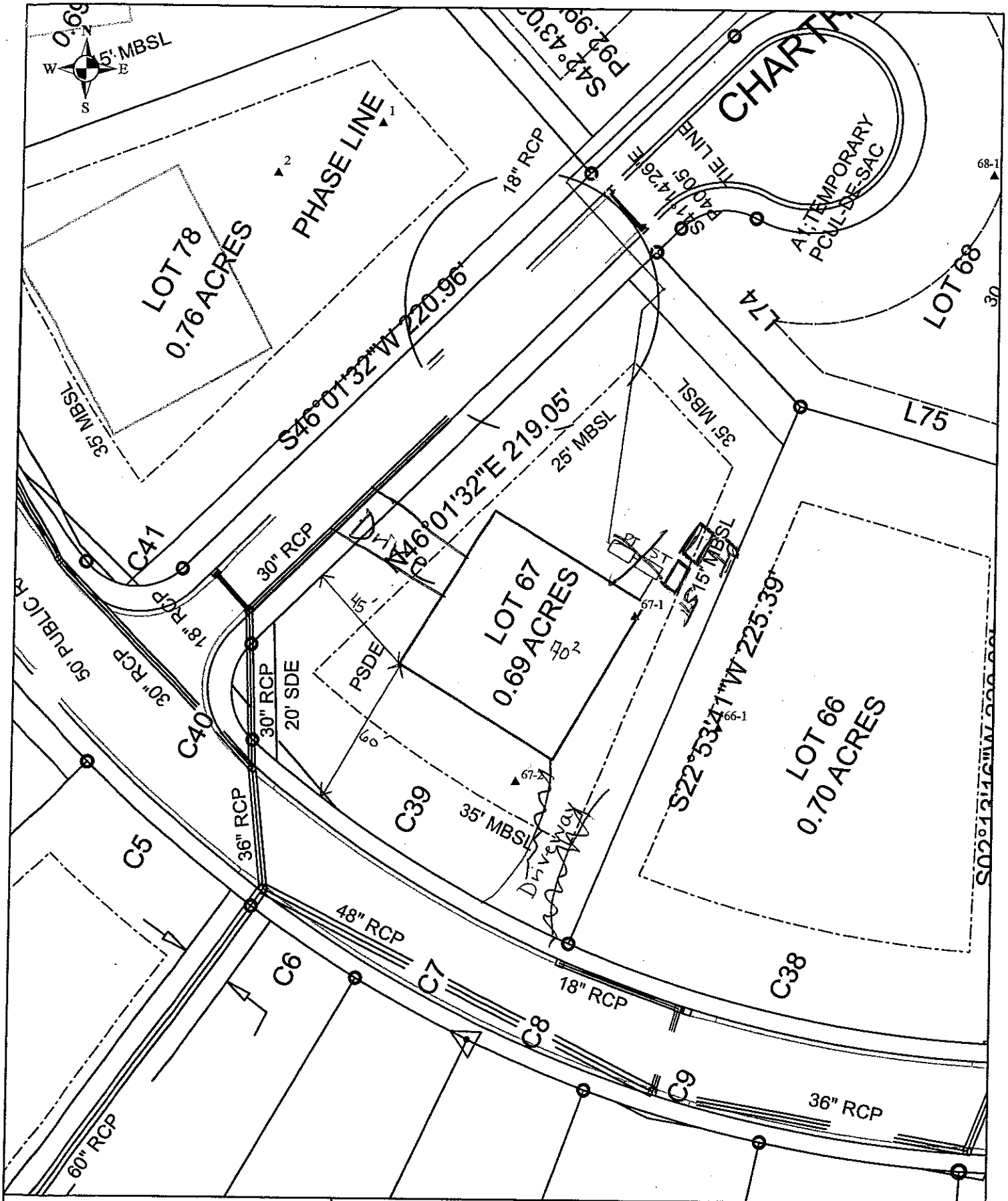
Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading Elevation (Ft.)
1	Repair	Pink	25% Reduction	48	834.6
2	Repair	Orange	25% Reduction	116	
3	Repair	Blue	25% Reduction	142	
4	Repair	White	25% Reduction	135	
5	System	Red	25% Reduction	134 endfed	
6	System	Pink	25% Reduction	134 endfed	
7	System	Orange	25% Reduction	134 endfed	826.21
				Total System: 402'	
				Total Repair: 441'	

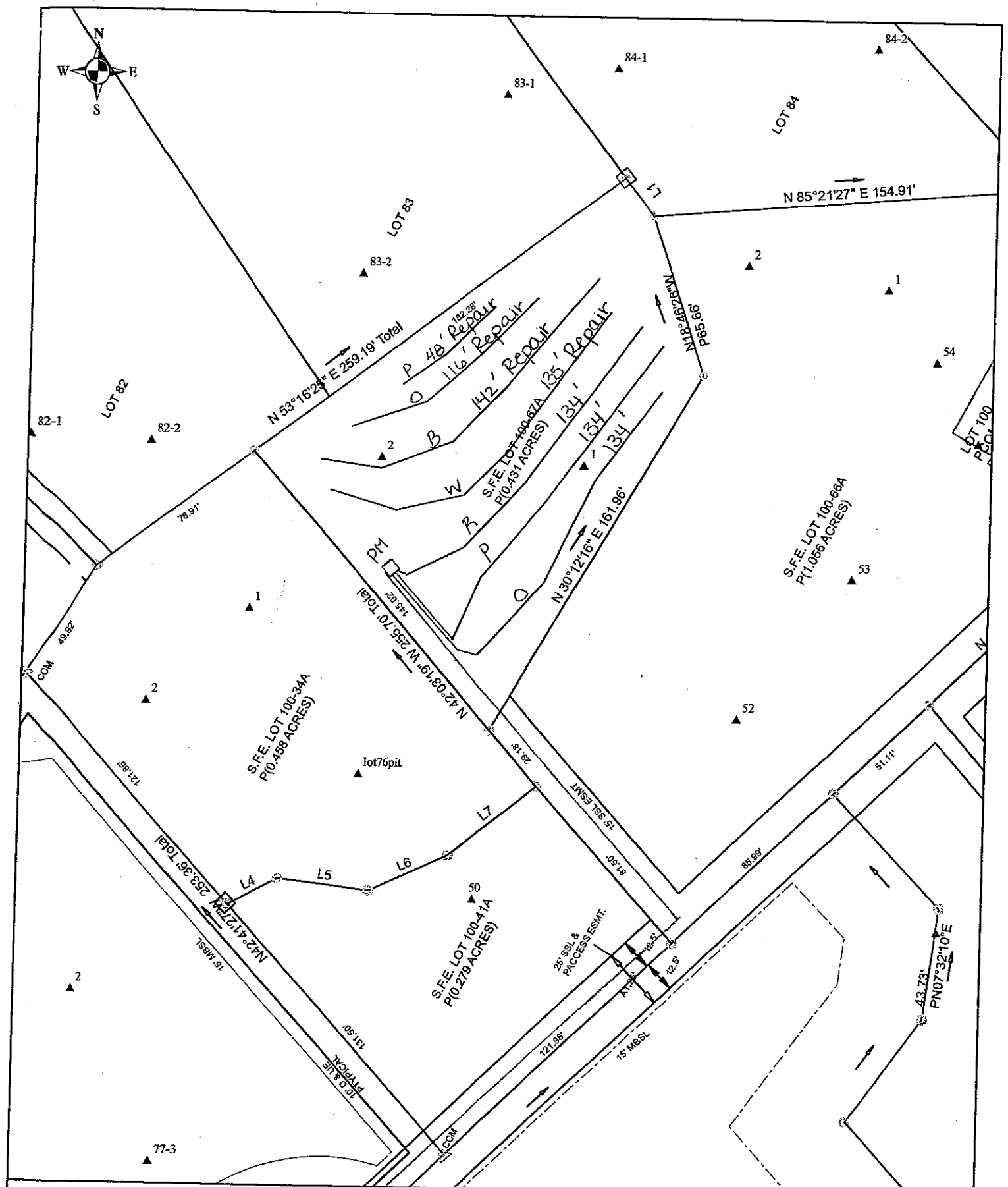
Tank	Red	1000 gal (2 compartment)	801.58
Pump Tank	Red	1000 gal.	801.58
House	Blue		803.91

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	3
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

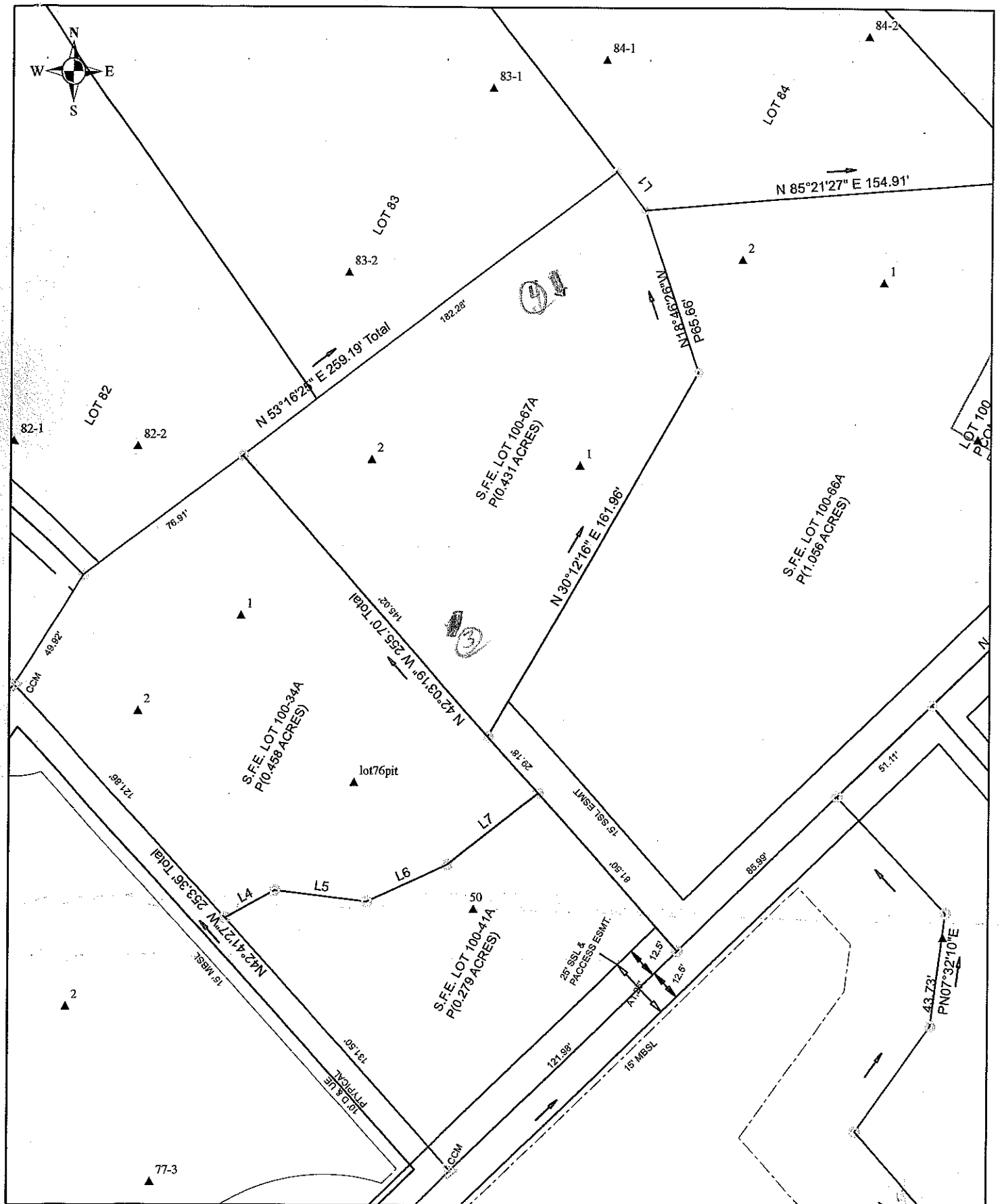
Note: System and repair located offsite on Easement 67A.
Elevations provided by surveyor and should be verified prior to obtaining an ATC.



Scale: 1 inch equals 50 feet	S&ME	Lot 67 Chesapeke Point	FIGURE
Drawn by: JBP		Detailed, Scaled Site Plan	1
Reviewed by: KS		Iredell County, NC	
Date: December, 2006	ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	S&ME Project #1588-04-011	



Scale: 1 inch equals 50 feet	S&ME	S.F.E Lot 100-67A Chesapeke Point	FIGURE
Drawn by: JBP	ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	Detailed, Scaled Site Plan	1
Reviewed by: KS		Iredell County, NC	
Date: December, 2006		S&ME Project #1588-04-011	



Scale: 1 inch equals 50 feet	S&ME	S.F.E Lot 100-67A Chesapeke Point	FIGURE
Drawn by: JBP		Detailed, Scaled Site Plan	1
Reviewed by: KS		Iredell County, NC	
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DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ____ of ____
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Peachtree _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: 4/27/10
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Lot 75 _____ PROPERTY RECORDED: _____
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	L 6-8%	0-8	wsbk c	FR SS/SP	R				PS 0.3
		8-25	msbk c	FR SS/SP	R F; Smp				
		25-54	wsbk cl	FR SS/SP	R FC Smp				
2	R 4%	0-19	msbk c	FR SS/SP	R				PS 0.3
		19-49	wsbk cl	FR SS/SP	R F; Smp; WK				
3	9% V	0-5	wksbk sl	sl fr sss					.3
		5-26	msbk cl	fr sss Smp					
		26-59	wksbk cl	fr sss Smp					
4		0-7	gr lms sl	fr sss p					.3
		7-32	msbk sicl	fr sss Smp					
		32-52	wksbk sicl	fr sss p					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: M Rabe
OTHER(S) PRESENT: _____

COMMENTS: _____